

**Subject: glowbugs V1 #212**

**glowbugs**

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Date: Thu, 25 Dec 1997 22:47:01 -0400

From: "Brian Carling" <bry@mnsinc.com>

Subject: Wireless Set 19: the ultimate 807 BA?

The following comes from the 19 Set Web Page at:

<http://www.webspawner.com/users/BoredbyBob/>

Some of you BA ops may want to check out their net!!

Be sure to visit the CCF Radio Web Pages at:

<http://www.mnsinc.com/bry/ham/ccfradio.htm>

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19 Set Net Report -- December 1997

By Dave Lawrence, VA3ORP

email va3orp@kos.net

#### INTRODUCTION

1. The monthly 19 Set Net was held at its regular time of 2000Z on 3760 KHz (LSB) on 7 Dec 97 (first Sunday of the month). There were 13 check-ins (VA3ORP-Dave, VE3ORP-Ron, VE3DPC-Frank, VE3RIH- Alan, VE3CBK-Chris, VE3FYR-Fred, VE3POS-John, W1NU-Vic, VE3NKK- Dave, WF2U-Meir, VE3CFY-Bill, VE3AZA-Chuck, VE3FKQ-Frank).

#### DISCUSSION

2. Correspondence/Visits. There have been a number of EMail messages between VA3ORP and IK0MOZ reference a trans-Atlantic 19 Set sked. Details below.

#### 3. Previous Events.

a. 11 Nov - The Remembrance Day sked organized by VE1NU-Reed, was very successful. Six contacts were made with the furthest station being VE3BDB-Bob in Orillia. Unfortunately Reed was using a modern set to receive so his contact with VE3BDB (who was using a 19 Set for Tx and RX), cannot count towards the longest 19 Set QSO recognition.

b. 16 Nov - The Ottawa Militaria Show had little communications equipment on display - only a Type D Mk V field phone. It was a good opportunity for VE3CBK, VE3ORP & VA3ORP to have an eyeball QSO.

#### 4. Upcoming Events.

a. 13, 20 & 27 Dec - Trans-Atlantic Sked. This is being organized between the "19 Set Group" and the Italian "Army rig Operators Club"s. Procedures will be as outlined in "PROCEDURES - 19 SET GROUP - CW NET (ver 2.2, 11 Sep 97)".

Additional details are as follows:

Time/Freq: 0500-0530Z on 7005 KHz

0530-0600Z on 3705 KHz

Net Control: VA3ORP (Dave, 20 Km NE of Kingston)

Mode: A1 (CW) at 12 WPM

North American stations will be called in beginning at 0445Z. Trans-Atlantic work to start at 0500Z. Net Control Station will be using modern equipment with 100 watts and both vertical and horizontal antennae available. NOTE: THIS IS A DIRECTED NET! Participating station to be on time and on frequency. Priority will be given to 19 Sets as the objective of this sked is to complete a trans-atlantic 19 Set/19 Set QSO. Propagation should be good for the 13th and 27th but is forecast to be very noisy on the 20th.

b. 17 Dec - There will be a small display of vintage computers at the Military Communications and Electronics Museum. This is in conjunction with a commercial display. Hard to think of 20 year old gear as being vintage! (do you remember CP/M? - it was BD; that is - Before DOS)

## 5. Members' Activities

a. VA3ORP/VE3RCS. The 19 Set in the Museum is now operational and available for use on Thursdays. The Thursday sked amongst VE3RCS, VE3RIH & VE3FYR has been named the "Old Sweats Net". Any military folks are welcome to drop in at 1000 EST, 3760 KHz (alternate 7060 KHz). Some additional information was found concerning the "Alexanderson Alternator" (see the HMCS Haida web page link below)

b. VE3ORP. Waiting for the fleamarket season to start up again. Some old gear is showing up on Sunday Night Swap Net (details of an AR-88 passed to WF2U). Had some details concerning a REALLY BIG antenna problem (Omega antenna in Hawaii).

c. VE3DPC. Frank has a Command Set (both tx & rx) in good condition but needs some tubes for the receiver.

d. VE3RIH. Alan continues to do a lot of operating with his 19 Set. Claims to be the only "authentic" set on the air as he runs off of battery and dynamotor! (bet his sulfuric acid isn't 50 years old!) Alan is available for all three trans-Atlantic skeds.

e. VE3CBK. Chris is available for all three trans-Atlantic skeds.

f. VE3FYR. Enjoys listening to the comments about the vintage sets. The closest Fred actually got to military radios was the PTT switch in a Hurricane fighter during WWII.

g. VE3POS. Relayed the story of his first purchase of a 19 Set from Hercules Sales in Toronto for \$48 (THAT was some time ago!)

h. W1NU. Vic gave a run down on the modifications that he has done to his 19 Set over the years. He checked his log book and confirmed that he has been using that set since 1947 when he bought it, in new condition, for \$1.00. Vic is available for all three trans-Atlantic skeds. (LATE ENTRY: On 8 Dec 97, Vic worked a station in Denmark on 80 M using his 19 Set! Well done Vic).

i. VE3NKK. Dave needs some info on the W.S. No. 29 "B Set". VA3ORP will check the Museum archive.

j. WF2U. Meir got another 19 Set in very good condition and with most of the accessories. He will try to have it on the air for the 8 Dec 97 CW Net (how much was the shipping from British Columbia?) Still looking for information on the RCAF AT-12 (will send photo to VA3ORP).

k. VE3CFY. Greetings from Bill. Glad to hear you on the CW net from time-to-time.

l. VE3AZA. Had some interesting comments about using a spark transmitter at King Edward Collegiate (Vancouver?) in 1939. May check-in to the CW net with one of his 6L6 home brew transmitters.

k. VE3FKQ. Hopes to get to the Museum for a tour of the back room. Maybe Frank can help identify some of the foreign military sets.

## 6. Ongoing Projects:

a. 19 Set Web Page. This just keeps getting better! Great work by VE3BDB - Bob. Lots of check-ins from all over the world. Some "Wants" and "For Sale" items listed.

b. CW Net. Going well and the training seems to be paying off. Participants are asked to use their dummy load for frequency spotting or, better yet, zero beat using the proper procedure! (set to "R/T", "Net" switch ON, adjust for zero beat, return to "W/T"). As propagation changes it may be necessary to move to the "blue" frequency (7033 KHz).

## ADJOURNMENT

7. The net adjourned at 2157Z. QRX Sunday, 4th January 1998 at 2000Z on 3760 KHz (alternate frequency 7060 KHz).

73 es cul de Dave, VA3ORP@VE3CDY.#EON.ON.CAN.NA  
(EMail va3orp@kos.net)

...chirp chirp

#### Monthly 19 Set Net

Join us on regular lower sideband at 2000Z on 3760 KHz (+/-) on the first Sunday of each month to chat about 19s and other older military radio gear. Control station: VA3ORP

#### Weekly 19 Set Net

Each Monday night, 2330Z (1930 EDST) on 3703 KHz, CW operation. Fun stuff. You don't need a 19 Set to participate but you may hear the distinctive "warbling chirp". Note: this a directed net and the control station directs ALL activity; CW speed is to be kept at 10 WPM with correct spacing; if using a 19 Set, please re-tune often in order to stay on frequency (digital receiver for side tone and frequency control essential). Control station VA3ORP.

Watch Amateur Radio Packet for messages to "19\_Set" after each monthly net!

#### Events Involving 19 Sets

Sep 4-7, 98 (repeat 1998) - Reunion 98 at CFB Kingston, Ont.

If you know of any events featuring the 19, please let us know!  
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Be sure to visit the CCF Radio Web Pages at:

<http://www.mnsinc.com/bry/ham/ccfradio.htm>

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Date: Fri, 26 Dec 1997 15:53:46 -1000  
From: Peter Demmer <ampruss@hits.net>  
Subject: Re: 813 xtal osc. (update)

Jack Meadows wrote:

>  
> Hi Peter,  
> I enjoyed your comments and you have me thinking about some  
> things I hadn't considered. Snip...  
>  
> On Mon, 22 Dec 1997, Peter Demmer wrote:  
>  
> > Evening Jack: I got the ceramic socket and all the power supply  
> > components including the 5 vac @ 7 Amps for the heater  
>  
> > Peter, did you really mean 10 vac? The 813 heater is 10v.  
> > Oh, I see, maybe your going to use a 5v-0-5v transformer. That's what  
Under magnification, it looks  
> > like they could be a 0.025" Bristol spline size allen. Any help out  
> > there Jack?  
>  
> The vacuum relay should be better than what I used. I used a standard  
> relay and am getting alot of arcing. It's a relay I had on hand. I have  
> never tried a vacuum relay...where could I get one? Snip...., Far Radio sale, Lima OH,..... Arcing at the relay  
> contacts was causing my osc to not turnoff...snip....  
  
> I can adjust the pi network caps for 100 watts output Peter wrote... Yes, yes, yes, I also like this Idea.  
> with very little crystal current...just find the right combination. The  
> output power peak and crystal current peak do not coincide, which is good!  
>  
> I'm looking forward to hearing your big 813 puffer on the air. snip.... I haven't really tried to see what the  
> upper power limit is yet, but I did get something like 125 watts output  
> at around 1800 vdc. What a puffer!  
>  
> I am very careful around these kind of voltages. Please do the same.  
> Nasty stuff.  
>  
> Hope I haven't made this post too long...see ya'll on 3.579/7.050 Mhz!  
>

> Best regards,  
> Jack W7QQQ

Good evening Jack, I hope you had a safe and reflective holiday. I got a good line on the spline/bristol allen type wrenches. Yes, I am using a good 10 CT htr.xfmer. Actually Jack, I have two projects on the work bench. One is the restoration of my very own ART-13 T-47 transmitter. It also uses an 813 in the final. While looking up a good screen keying circuit for use at a cw speed in excess of 25 wpm) I found the ideal circuit for our One lung BIG Puffer. The artical is in both the 12th, (pg.13) and 17th, (pg.404) edition of The Radio Engineers Handbook. This is the right stuff and if you (can secretly hard rock christmas candy state the the two diodes), it uses only two tubes. A 12AU7 and a 6K6. This is excluding the 6AX5-GT and the 5Y3-GT in the power supply. The reason I mention both (the same) circuit sources is because the explanation in the first one is extreamly definitive. You will enjoying the literal unfolding of the circuit logic. The trade off is you sacrafice the royally arching relay he he. And you get an additional negative switched bias voltage with the micro-second sequential timing advance/delay built right in. It's a natural if we use grid block keying in let say, a buffer. Yes, I know our RCA 813 Puffers is but one tube. But you can run a lead up to the control grid to the RF amplifier stage in a Receiver. Even a Re-Genny. I just noticed, you also get a pretty stable +375 vdc for the receiver. What a blast from the past. One question not answered in your last post. What is your Screen voltage during key-up and key-down? I am putting up four 80/40 element delta loops pointed your way, but thats another (the antenna) story. You too. Be careful in there. I surly don't wish to get any last comments from a crispy crittered Black Jack. E-mail me if you need the schematics. Keep the faith, es aloha, Peter, KH6CTQ.

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Date: Wed, 24 Dec 1997 23:52:30 -0800  
From: Gerald Caouette <ve6nap@oanet.com>  
Subject: Vacuum tubes and stuff

I have a number of items that are surplus to my present and future needs

The price I would like to get for the items in US funds, FOB Edmonton  
Alberta follows in brackets - I am also open to negotiation.

New in box vacuum tubes

320 of Philips/ECG Jan 5933 's	(\$ 5.00 each)
10 of EIMAC 4CX300A/Jan 8167	(\$75.00 each)
50 of Westinghouse 7645	(\$ 2.50 each)
50 of Sylvania Jan 5719 miniature tube	(\$ 2.50 each)

Collins Radio Parts

5 of Audio frequency transformer 677.6032.00 / 12A9T1  
/75330  
2 are in original boxes packaged May of 1959 and Dec of  
1964 (\$ 5.00 each)  
3 NOS but boxes missing  
(\$ 4.00 each)

Siltronix Comanche 1011-D 10 meter transciever (\$150.00)  
10 Meter AM/SSB Transciever  
28.50 - 29.0 MHZ  
Uses a single 8950 to provide a 300 W

PEP input on SSB  
11 Meter recieve only  
26.940 - 27.440  
Unit includes a FD-1011 Digital frequency display

Yeadu FT-200 80 thru 10 Meter AM/SSB Transciver (\$150.00)  
Includes 110-120 VAC Power supply/Speaker  
Uses 2 - 6JS6A to provide a a minimum of  
240 W PEP input on SSB

Thanks for your time

If intrested or would like to make an offer on any of the above items  
please reply via  
email  
to  
Gerald Caouette

ve6nap@oanet.com

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